



Manual valve for chemical liquids (manifold/branch valve)

Made-to-order product

GMMD*03RN Series

RoHS

CAD

Export controlled items

*Eligibility: GMMD403RN, GMMD503RN

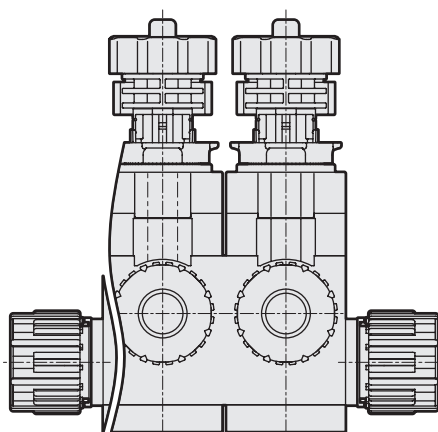
Specifications

Size		GMMD003RN	GMMD303RN	GMMD403RN	GMMD503RN
Item		□ 25	□ 36	□ 46	□ 60
Working fluid		Chemical liquids, pure water, N ₂ gas, air			
Fluid temperature °C		5 to 120 (*1, *2)			
Proof pressure MPa		1.0			
Working pressure range	(A→B) MPa	0 to 0.5			
	(B→A) MPa	0 to 0.5			
Valve seat leakage cm ³ /min		0 (water pressure)			
Back pressure MPa		0 to 0.5			
Ambient temperature °C		0 to 60			
Mounting orientation		Unrestricted			
Connection		Super 300 Pillar fitting P Series F-LOCK 60 Series			
Weight	One station	0.12	0.27	0.5	1.2
	2 stations	0.22	0.54	1.0	2.4
	3 stations	0.33	0.81	1.5	3.8
	4 stations	0.43	1.0	1.9	5.0
	5 stations	0.54	1.4	2.4	-

*1: For hydrofluoric acid or chemical liquids containing hydrofluoric acid, use within the range of 5 to 80°C.

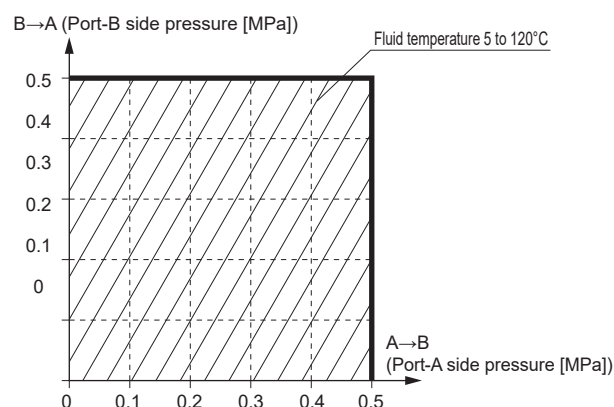
*2: 5 to 100°C if the connection is F-LOCK 60 Series.

Structure and parts list



Part name	Material
Body (wetted parts)	PFA or PTFE
Diaphragm (wetted parts)	PTFE
Actuator	PVDF
O-ring	FEPM
Metal parts	Stainless steel (fluoro resin coating)
Mounting plate	PVDF
Misoperation prevention cover	PP

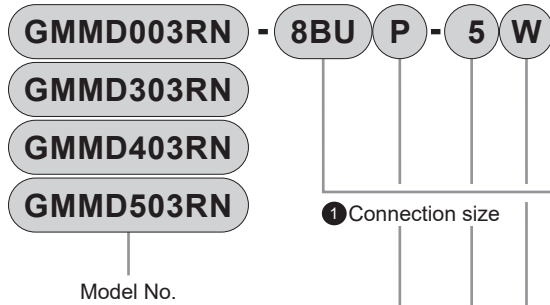
Working pressure



! Always read the precautions on Intro Pages 7 to 14 before use.

How to order

● Body



Code	Description				
1 Connection size		Selectable models			
Metric	Tube size	GMMD0	GMMD3	GMMD4	GMMD5
6U	ø6 x ø4	●			
8U	ø8 x ø6	●			
10U	ø10 x ø8	●	●		
12U	ø12 x ø10		●		
25U	ø25 x ø22				●
Inching	Tube size	GMMD0	GMMD3	GMMD4	GMMD5
8BU	1/4" x 5/32"	●			
10BU	3/8" x 1/4"	●	●		
15BU	1/2" x 3/8"		●		
20BU	3/4" x 5/8"			●	
25BU	1" x 7/8"				●
2 Connection					
P	Super 300 Pillar fitting P Series				
R	F-LOCK 60 Series				
3 Station No.		Selectable models			
		GMMD0	GMMD3	GMMD4	GMMD5
1	1 station	●	●	●	●
2	2 stations	●	●	●	●
3	3 stations	●	●	●	●
4	4 stations	●	●	●	●
5	5 stations	●	●	●	
4 Port A position					
L	Left				
R	Right				
W	Both sides				

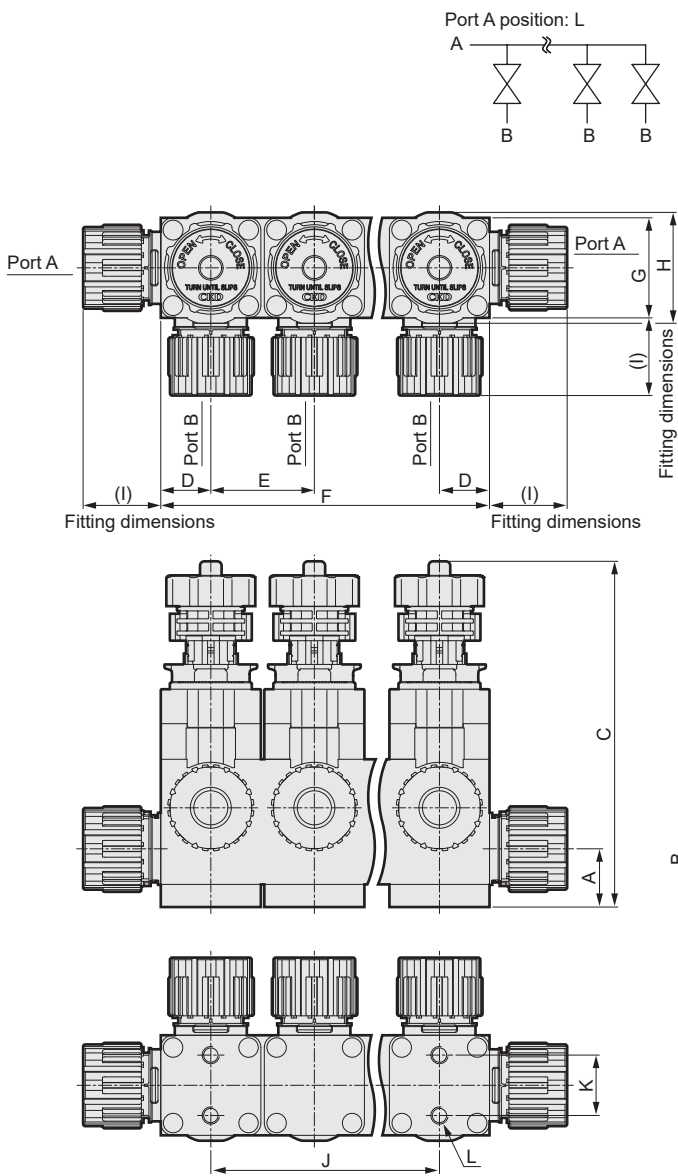
● Misoperation prevention cover

• MMD003RN-C

* The misoperation prevention cover cannot be used with the GMMD3/4/5 Series.

Part3R	Part2	Part1	High pressure	Meta-free	Large bore size	Polyvinyl chloride	Drainage	Part3RN	Part2	High pressure	Meta-free	Large bore size	Single unit	Air operated integrated	Pilot	Manual	Electric	Manual	Manual Fine flow rate	Fine level Switch	Related products
			Air operated valve							Manual valve			Drip prevention valve			Regulator	Flow rate adjusting valve				

Dimensions



Model	A	B	C	D	E	G	H
GMMD003RN	19	28.5	87	12.5	Table 1	25	-
GMMD303RN	21	35	128	18	38	36	39
GMMD403RN	27	46	160	23	48	46	51
GMMD503RN	35	60	199	30	62	60	65

Super 300P Series

Connection (connection size + type)	I
6UP, 8BUP	19
8UP	22
10UP, 10BUP	25
12UP, 15BUP	29
20BUP	36
25UP, 25BUP	43

F-LOCK 60 Series

Connection (connection size + type)	I
6UR	30
8BUR	31
8UR	31
10UR	37
10BUR	39
12UR	37
15BUR	39
20BUR	44
25UR	49.5
25BUR	51

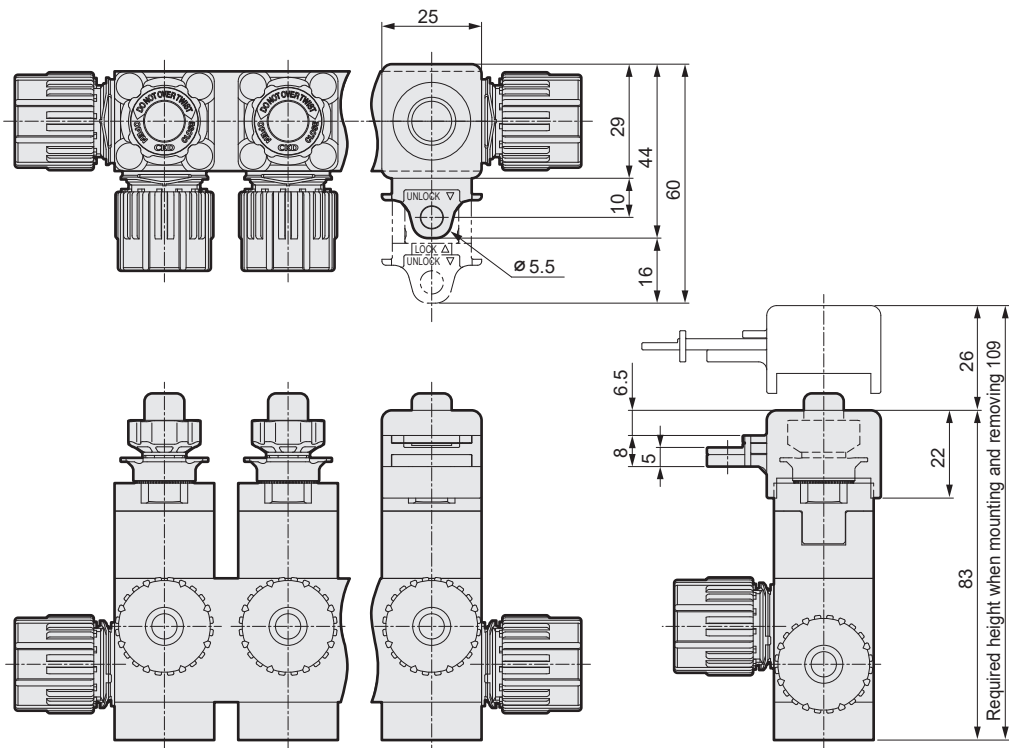
Table 1

Connection (connection size + type)	Station No.	E	F	J	L
6UP, 8BUP	1	-	25	-	2-M6 depth 8
8UP	2	26	51	26±0.3	4-M6 depth 8
6UR, 8BUR	3		77	52±0.4	
8UR	4		103	78±0.4	
	5		129	104±0.5	
10UP, 10BUP	1	31	25	-	2-M6 depth 8
10UR, 10BUR	2		56	31±0.3	4-M6 depth 8
	3		87	62±0.4	
	4		118	93±0.5	
	5		149	124±0.5	

Model	Station No.	F	J	K	L
GMMD003RN	Table 1			14±0.3	Table 1
GMMD303RN	1	36	-	22±0.3	4-M6 depth 9
	2	74	38±0.3		
	3	112	76±0.4		
	4	150	114±0.5		
	5	188	152±0.7		
GMMD403RN	1	46	-	28±0.3	4-M8 depth 10
	2	94	48±0.4		
	3	142	96±0.5		
	4	190	144±0.5		
	5	238	192±0.7		
GMMD503RN	1	60	-	40±0.3	4-M8 depth 13
	2	122	62±0.4		
	3	184	124±0.5		
	4	246	186±0.7		

Dimensions

- Misoperation prevention cover
(GMMD003RN)



Part3R	Part2	Part1	High pressure	Metal-free	Large bore size	Polyvinyl chloride	Drainage	Part3RN	Part2	High pressure	Metal-free	Large bore size	Single unit	Air operated Integrated	Pilot	Manual	Electric	Manual	Manual Fine flow rate	Fine level Switch	Related products
	Air operated valve								Manual valve								Regulator				